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Survey of Morinville.



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SURVEY OF MORINVILLE

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GOVERNMENT OF
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Town of Morinville

March, 1971

1. LOCATION

The town of Morinville is located in Sections SW of 3, SW of 4, Township 56, Range 25, W. 4; NW of 34, NE of 33, Township 55, Range 25, W.4 in Census Division No. 11. This location is on Highway No. 2, 15 miles north of Edmonton. It is in the centre of the County of Sturgeon. It is served by the N.A.R. and C.N.R.

2. ALTITUDE

2,296 feet.

3. TEMPERATURE

Mean summer temperature from May to September is 56° F.

July is the warmest month averaging 61.5° F.

The mean winter temperature — November to March inclusive is 16° F. April and October average 40° F. January is the coldest month averaging 6° F. Extreme winter lows rarely fall below -40° F., and extreme summer temperature rarely goes above 90° F.



The main street of Morinville is wide and provides ample parking area.

The average frost-free period (above 32° F) is about 100 days.

The mean annual precipitation is from 16 to 18 inches. June, July and August are the months of highest rainfall. Seventy per cent of the precipitation falls as rain.

4. RAINFALL

Morinville is about midway between the meteorological stations at Edmonton and Sion to the Northwest. Average annual precipitation will therefore closely compare with Edmonton and/or Sion.

Average annual rainfall - 13.26 inches

Average annual snowfall - 53.8 inches*

Average annual total precipitation - 18.64 inches

*Note: Snowfall precipitation is obtained by shifting the decimal one place to the left, i.e.: 5.38 inches, making a total of 18.64 inches.

The above figures represent about 90 years of continuous records and therefore will be very accurate and meaningful.

5. GEOLOGY

The Morinville district is underlain by bedrock strata of late Cretaceous age and these clastic deposits (rock formed from the fragments of other rocks) are known as the Edmonton Formation. It is comprised mainly of an alternating sequence of shales and sandstones and characteristically contains several prominent coal beds in the subsurface in this area, the main one of which is the Clover Bar coal zone. This coal zone has been heavily mined in the past and is still being mined.

This "Edmonton Formation" consists largely of light grey shales, black carbonaceous shales, light grey, fine-grained, salt-and-pepper sandstones, coal seams, and layers of clay-ironstones nodules.

6. SOIL

Throughout the Morinville district the bedrock strata are overlain by a mantle of glacial drift which consists of gray and brown till with associated sands and gravels. The till is commonly quite sandy and contains scattered pebbles and boulders of quartzite and a few "shield-type" rocks. The upper 10 to 30 feet of till are generally brown (probably due to surface oxidation), while the remainder is light grey.

Except in a few places where it appears to fill bedrock channels, the drift cover rarely exceeds 50 feet in thickness.

Structure

Regional geological observations suggest that the Cretaceous strata of the district have a dip of about 30 feet per mile to the southwest but it is unlikely to be a uniform dip.

7. VEGETATION

Approximately 70 to 75 per cent of the area is cultivated. The area is a parkland with native bluffs of trees. Aspen poplar is the main species, however, balsam poplar, willow, birch, white spruce and black spruce can be found in certain areas.

The soils vary from a deep black rich brown to a grey wooded soil. Peat bogs are evident.

Cereal crops such as barley, oats and wheat are the dominant crops. Pasture and hay are quite prominent with legumes and grasses mixed being the most popular to grow. Rapeseed is gaining in prominence as a cash crop.

8. LAND USE

The land use in the Morinville district is concentrated on farming particularly in feed grains, livestock and rapeseed.

9. HISTORY

Morinville has a very colorful history dating back some 14 years before Alberta was a province, beginning in 1890 with Abbe Morin, under the supervision of Mgr. Grandin, being given the task of immigrating Catholic settlers from eastern Canada.

1891 - French-Canadian and German settlers under the guidance of Father Jean Baptiste Morin, settled in the district;



The Community Library has a fine stock of books to serve the people of town and district.

- 1895 - Coal discovered in the district;
- 1897 - Installation of telephone lines from Edmonton to Morinville;
- 1899 - Establishment of the first school (the Thibault School District No. 35 remains today as one of the very few independent school districts);
- 1904 - Arrival of the first contingent of the teaching order of the "Filles de Jesus";
- 1905 - Arrival of the C.N.R., followed by N.A.R.;
- 1907 - Construction of the imposing Gothic-style Roman Catholic Church;
- 1910 - Incorporation of the Town of Morinville.

10. LIVING CONDITIONS

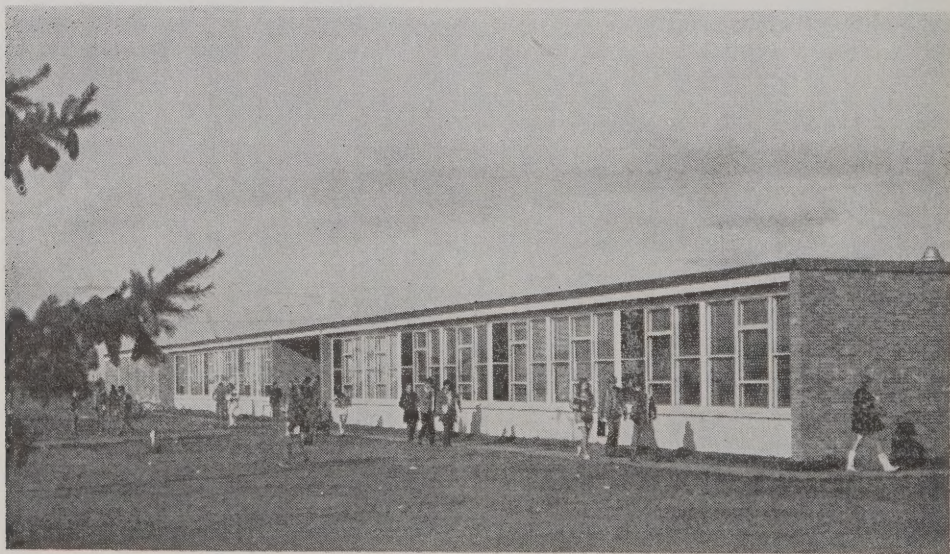
Morinville is located in the centre of one of the richest mixed farming areas in Alberta. The newly built highway No. 2 is adjacent. It has connecting links with highway No. 28 to the east, and highway No. 43 to the west.

Alberta's fourth university, "Athabasca University" will only be a 15-minute drive away.

Utilities consist of a central water and sewerage system, which is considered to be among the most modern in the province; electric power and natural gas; propane and diesel fuel service is available.

There is a 26-classroom school, with a new high school and gymnasium, bilingual programs for French and English students; allowing pupils to be educated in an atmosphere of neighborly friendliness.

Morinville is noted for its many clubs, organizations and entertainment facilities.



The Georges P. Vanier school is a modern edifice serving students of a wide area.

In 1970 the town undertook the massive job of street rebuilding, installing curbs and gutter, gravelling each and every street and avenue and completing the drainage and concrete sidewalk program, and planting trees in all boulevards.

11. ADMINISTRATION

The town is governed by a Mayor and Councillors. There is a full-time Secretary-Treasurer and a Recreation Board.

12. LAWS & REGULATIONS

The Royal Canadian Mounted Police detachment patrol the town, highway adjacent to the town and rural areas.

Building regulations must comply to the National Building Code, and building permits are required.

13. FIRE PROTECTION

The town is protected by two fire fighting units. The Fire Department consists of a Fire Chief, Deputy Fire Chief and 16 volunteer firemen.

The water supply is obtained from spring run-off, pumped from the Manawan drainage canal into a 40,000,000-gallon reservoir.

14. TAX BASE - 1971

Land 55.15% of value	\$ 517,170
Improvements 45% of value	1,629,580
Special	42,130
	\$2,188,880



A modest structure houses the town offices.

15. AREA

Land built upon	208.49 acres
Land not built upon	244.05 acres
	452.54 acres
Parks and playgrounds	34.38 acres
Land exempt from taxation	5.02 acres
Land in streets and lanes	57.57 acres
	96.97 acres

Total area is 549.51 acres.

Miles of streets and lanes 9.609 of which 6.0 is gravelled.

Curbs and Gutter 28,210 feet

Paved streets 7,210 feet

16. SEWER AND WATER MAIN MILEAGES

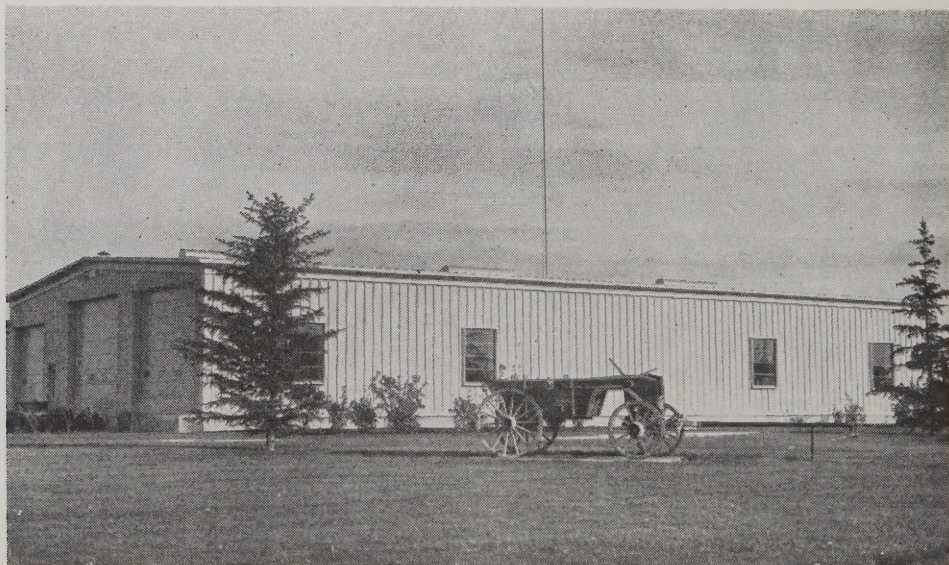
Sanitary sewer 5.009 miles

Water mains 4,870 miles

17. POWER

Morinville is the District Office for Calgary Power Ltd.

Electric power available for residential, commercial and general service and industrial consumers. Normal distribution voltage 120-240 volts, single and three phase. Other voltages can be supplied if required.



The workshops for the public works department of the municipal district are fronted by one of the earliest earth-moving wagons of the district.

Residential Rate

Single phase service for lighting, cooking, domestic power and other ordinary uses in private houses and individual apartments.

- For first 20 KWH (or less) per month - \$2.30 net min.
- For next 280 KWH per month - 1½c net per KWH.
- For all over 300 KWH per month - 1¼c net per KWH.

Commercial and General Service Rates

Applicable to commercial establishments and any other premises which do not qualify for the residence service rate. For single or three phase service supplied at a single point of delivery and at a standard voltage normally available.

Demand Charge:

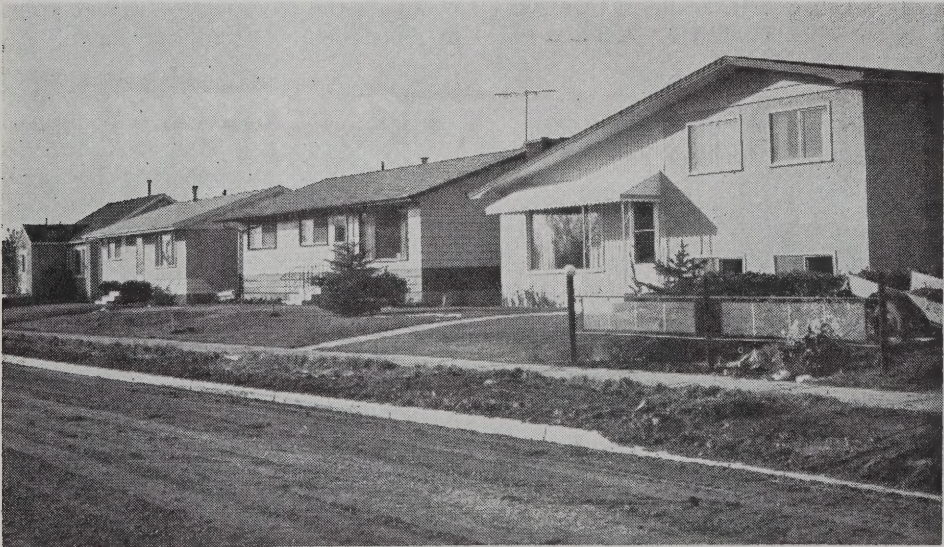
\$1.00 per month per kilowatt (or fraction thereof) of Demand.

Energy Charge:

- For the first 40 KWH per KW of Demand 5c per KWH
- For the next 100 KWH per KW of Demand but
not over 1,000 KWH per month 3c per KWH
- For all additional energy used per month 1¼c per KWH

Industrial Rates

Available on request.



Many fine modern homes line the curbed, boulevard streets of the community.

18. WATER

Water is obtained from spring run-off through the Manawan Drainage District and pumped into a 40 million gallon reservoir.

Residential Rates

Flat rate of \$6.25 per month plus \$3.00 sewerage charge.

Business Rate

Varies from minimum of \$6.25 per month.

Water Analysis

Parts Per Million

Total solids	406
Ignition loss	92
Hardness	133
Sulphates	143
Chlorides	22
Alkalinity	120
Nature of alkalinity (Bicarbonate of lime and magnesium)	
Nitrites	Nil
Nitrates	Nil
Iron	0.38
Fluoride	0.12

19. GAS

Natural gas is supplied to the Town by Plains-Western Gas & Electric Co. Ltd. Supply is from industrial pipelines in the area under long-term contracts sufficient to supply the Town and surrounding area for the foreseeable future. In addition to serving the Town, the Company distributes gas in a rural area covering 400 sq. miles in all directions from the Town.

Rates

First 2 Mcf per month	- \$2.00
Next 30 Mcf per month	- .48 per Mcf
Next 30 Mcf per month	- .40 per Mcf
Next 58 Mcf per month	- .38 per Mcf
Next 80 Mcf per month	- .33 per Mcf
Over 200 Mcf per month	- .29 per Mcf
Minimum Charge \$2.00 per month.	

Industrial users requiring a large quantity of gas can secure high load factor rates through negotiation with the Company.

L.P. Gas service and diesel fuel for heating are also available.

20. LOCAL RESOURCES

Coal, forage crops, cattle, straw, sand and gravel, furs, oil, gas.

21. GOVERNMENT OFFICES AND SERVICES

Federal - Post Office.

Provincial - Department of Public Works, maintenance station.

Municipal - Headquarters for the M.D. of Sturgeon No. 90; Sturgeon School Division.

22. HEALTH SERVICES

Sturgeon General Hospital - 100 bed active treatment hospital located in St. Albert.

Servicing M.D. of Sturgeon No. 90, Town of Morinville, Town of St. Albert, Village of Legal.

Morinville has a resident doctor, a pharmacist and a pharmacy.

23. PROFESSIONAL AND SKILLED SERVICES

(Excluding Health Services)

1 Barber Shop

3 Beauty Shops

1 Lawyer

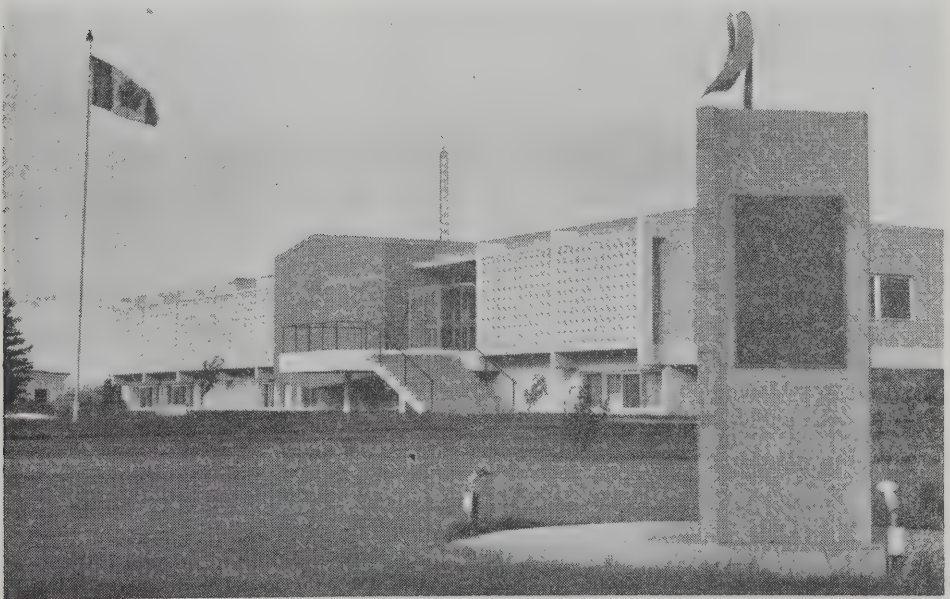
24. TRANSPORTATION

Daily truck service from Edmonton.

Daily bus service to and from Edmonton.

Northern Alberta Railways.

Canadian National Railways



The offices of the M.D. of Sturgeon are modern and well designed.

25. NEWSPAPER

The Gazette published in St. Albert and servicing the whole of the M.D. of Sturgeon - weekly.

Daily service of The Edmonton Journal.

26. COMMUNICATIONS

Alberta Government Telephones dial service. Some offices have direct phone link to Edmonton.

New Post Office.

Nearest radio station - Edmonton, 15 miles; television channels 3, 5, 11, Edmonton.

27. FINANCIAL FACILITIES

Royal Bank of Canada; Morinville Savings & Credit Union.

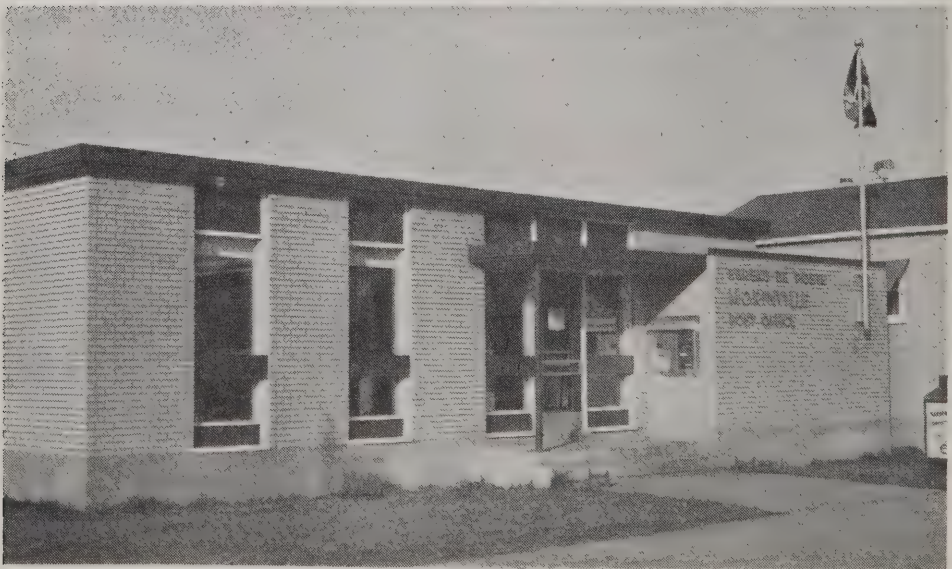
28. HOTELS

Morinville Hotel - 10 rooms: Single rate \$4.00 and up; open all year.

Alberta Hotel - 14 rooms: Single rate \$3.00 and up; open all year.

29. TOURIST CAMPS

Heritage Lake Campsite and picnic facilities (20 acres).



The Morinville Post Office is situated in a modern, up-to-date building

30. CHURCHES

Roman Catholic; United Church (have land and intend on building in near future).

31. LODGES

Canadian Legion.

32. SERVICE CLUBS

Legion and Auxiliary; Lions; Board of Trade; Mother's Club; Hospital Auxiliary; Knights of Columbus; CWL; Le Mouvement des Femmes Chretiennes; Mother's Local.



The St. Jean Baptiste church forms background for the monument paying tribute to district pioneers.

33. SOCIETIES AND ASSOCIATIONS

Sports Association; Curling Association; Ladies Curling Association; Heritage Lake Investment Club; Double "C" Investment Club; Morinville Figure Skaitng Club; Frontier Daze.

34. HALLS

	Capacity	Stage	Piano - PA	Kitchen
Legion Hall	125	No	Yes	Yes
Recreation Centre (Two Floors)	1000 (seated)	Yes	Yes	Yes

35. CULTURAL ACTIVITIES

Through Recreation Board.

36. YOUTH ACTIVITIES

Morinville Youth Recreation Club (MYR); Figure Skating Club; Drill, Drum and Bugle Band; Rifle Club; Scouts, Cubs; Brownies, Girl Guides; Hockey Clubs.

37. SPORTS

Softball, Baseball, Hockey (senior and junior), Curling, Basketball, Fishing, Snowmobiling.

Facilities

Hockey Arena; Curling Rink, 2 sheets of artificial ice; Sports Grounds with baseball and softball diamonds; Heritage Lake, 20 acre park and lake; Recreation Centre.



The Community Centre is the focus for many town and district gatherings.

38. FAIRS

Frontier Daze (midsummer long weekend).

39. INDUSTRY AND BUSINESS

Type of Industry or Business	No. of Establishments	Type of Industry or Business	No. of Establishments
Pool Hall	1	Tire Shop	1
Garages	7	Radiator Shop	1
Groceries	3	Auto Body Shop	2
Dry Goods	2	Insurance Agencies	2
Barber Shops	1	Hotels	2
Beauty Shops	3	Trailer Court	1
Small Offices	8	Manufacturing Plant	1
Large Offices	6	Shoe Repairs	1
Hardware Stores	2	Upholstery Shop	1
Banks	2	TV Appliance Store	2
Drugstore	1	Grain Companies	3
News Stand & Confectionery	1	Farm Implement Dealers	3
Laundromats	1	Butcher and Meat	1
Cafes	3	Bakery	1
Lumber Yard & Building Supplies	1	Feed Mill	1
Bulk Oil Supplies	2	Seed Cleaning Plant	1
Coin-Op Car Wash	1	Trucking Contractor	1
Rael Estate Agent	1	Numerous Independent Contractors	
Machine Shop	2		

40. SITES AND LAND

80 acres of serviceable land is available in the town limits for light industry.

A tentative plan for a park of 175 lots is planned.

Official plan, planning board and zoning by-laws exist.



The seed cleaning plant is a major contributor to the success of field crops in the area.

